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Khalil Najafi is the Schlumberger Professor of Engineering, and Chair of Electrical and Computer Engineering at the University of Michigan since September 2008. He served as the Director of the Solid-State Electronics Laboratory from 1998-2005, has been the director of NSF's National Nanotechnology Infrastructure Network (NNIN) since 2004, and the deputy director of the NSF ERC on Wireless Integrated Microsystems (WIMS) at the University of Michigan. He received the B.S., M.S., and the Ph.D. degree in 1980, 1981, and 1986 respectively, all in Electrical Engineering from the University of Michigan, Ann Arbor. His research interests include: micromachining technologies, micromachined sensors, actuators, and MEMS; analog integrated circuits; implantable biomedical microsystems; micropackaging; and low-power wireless sensing/actuating systems. Dr. Najafi has been active in the field of solid-state sensors and actuators for more than twenty five years. He has been involved in several conferences and workshops dealing with micro sensors, actuators, and microsystems, including the International Conference on Solid-State Sensors and Actuators, the Hilton-Head Solid-State Sensors and Actuators Workshop, and the IEEE/ASME Micro Electromechanical Systems (MEMS) Conference. Dr. Najafi is an Associate Editor for the IEEE Journal of Micro Electromechanical Systems (JMEMS), and the Journal of Micromechanics and Microengineering, Institute of Physics Publishing, and an editor for the Journal of Sensors and Materials. He is a Fellow of the IEEE and the AIBME.